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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/852,776	05/09/2001	Michael S. Steele	ISAA0013	5228
22862	7590	05/04/2005	EXAMINER	
GLENN PATENT GROUP 3475 EDISON WAY, SUITE L MENLO PARK, CA 94025			HAILU, TADESSE	
			ART UNIT	PAPER NUMBER
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DATE MAILED: 05/04/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/852,776	<b>Applicant(s)</b> STEELE ET AL.	
	<b>Examiner</b> Tadesse Hailu	<b>Art Unit</b> 2173	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 November 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                    | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date. _____ | 6) <input type="checkbox"/> Other: _____  |



### DETAILED ACTION

1. This Office Action is in response to the Applicant's Amendment to the claims entered with filing of RCE on November 29, 2004.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-7, and 9-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Ron R. Hightower et al, "Graphical Multi-scale Web Histories: A Study of PadPrints, ACM HYPERTEXT'98 Conference, Pittsburgh, June 20-24, 1998.

#### With regard to claim 1:

Ron R. Hightower et al (Hightower) relates to a system (method and apparatus) for providing graph structures, layout and graphical display of large numbers of nodes within limited display. Hightower discloses a system (method and apparatus) that dynamically builds a graphical history-map (strategy view) of visited web pages. Hightower further discloses a method for the efficient display of large strategies (Fig. 6). The method (algorithm) provides a fisheye view of a tree, wherein a plurality of nodes in the history-map is displayed at different sizes (see Future direction, Fig. 6).

Art Unit: 2173

The method also includes among other things displaying in a strategy view an on screen part of a strategy that is not affected by an off screen part of said strategy (see Future direction, Figs. 6 and 7);

The method also includes showing detail in said display where it is important. As illustrated in Figs. 6 and 7, the important node gets focus, the rest of the nodes are different in smaller size (see Future direction, page 2, A Zooming Graphical History section, Figs. 6 and 7).

The method also includes providing said display without scroll bars. As illustrated in Fig 6 and 7, user just jumps or clicks the desire node to view without having to scroll up and down (see Future direction, Navigating With PadPrints).

The method also includes providing navigational shortcuts for traversing said strategy view. As illustrated in Fig. 7, the visual clues (the title on each node) will help user to directly jump to the desired node (see Future direction, page 2, A Zooming Graphical History section).

Again, the method also includes providing navigational cues in said display, wherein such cues could be designated by title (Fig. 7).

The method also includes fitting as much information on said display as possible. As illustrated in Figs. 6 and 7, if the graphical history-map (strategy view) exceeds the size of the display, the map will be scaled to fit with the size of the display (see Future direction, Figs. 6 and 7, page 2, A Zooming Graphical History section).

The method further discloses maintaining a consistent top of the strategy-children orientation in said display. As illustrated in Figs. 6 and 7, especially the

Art Unit: 2173

hierarchy on the right maintains top of the hierarchy in similar size (of Fig. 6) scaled of (see Future direction, Figs. 6 and 7, page 2, A Zooming Graphical History section).

Furthermore, as shown in each of display of a graphical history-map (strategy view) (Figs 6 and 7), the display fits into a rectangular view (see Figs. 6 and 7, page 2, A Zooming Graphical History section).

The method further includes rendering all strategies. User browses (select and view) each node (web page) displayed (see Figs. 6 and 7, page 2, A Zooming Graphical History section).

Hightower further teaches always permits a user to view the graphical history in its entirety or zoom in to focus on a particular part of the hierarchy (Figs. 1 or 6, also see *A Zooming Graphical History* section). Hightower also teaches and illustrates "*condition path*", i.e., the path or link of segments or nodes from the starting or top node of the hierarchy to the focus node (see Figs. 1, 6, 7). Specially as illustrated in Fig. 7, a node in the hierarchy displays the title (i.e., one condition that helps user to remember in order to reach any segment in the hierarchy), and a small picture associated with the page (i.e., another condition that enables user to visualize where the segment is located and how to reach it (i.e., which link or path to follow) within the hierarchy (see *A Zooming Graphical History* section). Thus, Hightower teaches "always showing a condition path on screen" as claimed.

Art Unit: 2173

With regard to claim 2:

Independent 2 is rejected for reasons similar to those given for the rejection of claim 1.

With regard to claim 3:

Hightower discloses a graphical display method of large numbers of nodes within limited display. Hightower further discloses providing a strategy view (see the graphical history-map Figs 6 and 7).

As illustrated in the right hierarchy of Fig. 6, the method also includes if a portion of said strategy is not currently important or not being viewed, it has no effect on layout of a visible portion of said strategy (see Future direction, Figs. 6 and 7, page 2, A Zooming Graphical History section).

The method further includes that said strategy layout is dynamic (scaled by itself) and adaptable to a current portion of said strategy being viewed (see Abstract, Future direction, Figs. 6 and 7, page 2, A Zooming Graphical History section).

The method further includes that by selecting/focusing a node a user may view, in its entirety, a portion of said strategy on which said user currently wants to concentrate (see Future direction, Figs. 6 and 7, page 2, A Zooming Graphical History section).

Hightower further teaches always permits a user to view the graphical history in its entirety or zoom in to focus on a particular part of the hierarchy (Figs. 1 or 6). Hightower also teaches and illustrates "*condition path*", i.e., the path or link of segments or nodes from the starting or top node of the hierarchy to

Art Unit: 2173

the focus node (see Figs. 1, 6, 7). Specially as illustrated in Fig. 7, a node in the hierarchy displays the title (i.e., one condition that helps user to remember in order to reach any segment in the hierarchy), and a small picture associated with the page (i.e., another condition that enables user to visualize where the segment is located and how to reach it (i.e., which link or path to follow) within the hierarchy (see *A Zooming Graphical History* section). Thus, Hightower teaches "always showing a condition path on screen" as claimed.

With regard to claim 4:

Hightower discloses a graphical display method of large numbers of nodes within limited display. Hightower further discloses providing a strategy view (see the graphical history-map Figs 6 and 7).

The method also includes defining a single segment of said strategy as a focal point of said display. As illustrated in Figs. 6 and 7, the nodes in these Figs are selectable and gets into focus the unwanted portion loses focus, that is displaying segments with less detail the farther away they are from said focal point (see Future direction, Figs. 6 and 7, page 2, *A Zooming Graphical History* section).

Hightower further teaches always permits a user to view the graphical history in its entirety or zoom in to focus on a particular part of the hierarchy (Figs. 1 or 6). Hightower also teaches and illustrates "*condition path*", i.e., the path or link of segments or nodes from the starting or top node of the hierarchy to the focus node (see Figs. 1, 6, 7). Specially as illustrated in Fig. 7, a node in the hierarchy displays the title (i.e., one condition that helps user to remember in

Art Unit: 2173

order to reach any segment in the hierarchy), and a small picture associated with the page (i.e., another condition that enables user to visualize where the segment is located and how to reach it (i.e., which link or path to follow) within the hierarchy (see *A Zooming Graphical History* section). Thus, Hightower teaches "always showing a condition path on screen" as claimed.

With regard to claim 5:

Hightower in view of the admitted prior art further discloses providing a strategy (see the graphical history-map Figs. 6 and 7).

The method also includes providing a strategy view display of said strategy see the graphical history-map Figs. 6 and 7).

Hightower further teaches always permits a user to view the graphical history in its entirety or zoom in to focus on a particular part of the hierarchy (Figs. 1 or 6). Hightower also teaches and illustrates "*condition path*"; i.e., the path or link of segments or nodes from the starting or top node of the hierarchy to the focus node (see Figs. 1, 6, 7). Specially as illustrated in Fig. 7, a node in the hierarchy displays the title (i.e., one condition that helps user to remember in order to reach any segment in the hierarchy), and a small picture associated with the page (i.e., another condition that enables user to visualize where the segment is located and how to reach it (i.e., which link or path to follow) within the hierarchy (see *A Zooming Graphical History* section). Thus, Hightower teaches, "always displaying on screen a set of conditions needed to reach a single segment currently selected as a focal point."

With regard to claim 6:



Art Unit: 2173

Hightower discloses a graphical display method of large numbers of nodes within limited display. Hightower further discloses providing a strategy view (see the graphical history-map Figs 6 and 7).

As illustrated in Fig. 6 and 7, user just jumps or selects the desire node to view without having to scroll up and down (see Future direction, Navigating With PadPrints).

Hightower further teaches always permits a user to view the graphical history in its entirety or zoom in to focus on a particular part of the hierarchy (Figs. 1 or 6). Hightower also teaches and illustrates "*condition path*", i.e., the path or link of segments or nodes from the starting or top node of the hierarchy to the focus node (see Figs. 1, 6, 7). Specially as illustrated in Fig. 7, a node in the hierarchy displays the title (i.e., one condition that helps user to remember in order to reach any segment in the hierarchy), and a small picture associated with the page (i.e., another condition that enables user to visualize where the segment is located and how to reach it (i.e., which link or path to follow) within the hierarchy (see *A Zooming Graphical History* section). Thus, Hightower teaches "always showing a condition path on screen" as claimed.

With regard to claim 7:

Hightower discloses a graphical display method of large numbers of nodes within limited display. Hightower further discloses providing a strategy view (see the graphical history-map Figs 6 and 7).

The method also includes selecting any segment makes that segment a focal point (see Future direction, Navigating With PadPrints).

The method further discloses that selecting any element in a link or path (decision path) makes a corresponding segment the focal point (see Future direction, Figs. 6 and 7, page 2, A Zooming Graphical History section).

Hightower further teaches always permits a user to view the graphical history in its entirety or zoom in to focus on a particular part of the hierarchy (Figs. 1 or 6). Hightower also teaches and illustrates "*condition path*", i.e., the path or link of segments or nodes from the starting or top node of the hierarchy to the focus node (see Figs. 1, 6, 7). Specially as illustrated in Fig. 7, a node in the hierarchy displays the title (i.e., one condition that helps user to remember in order to reach any segment in the hierarchy), and a small picture associated with the page (i.e., another condition that enables user to visualize where the segment is located and how to reach it (i.e., which link or path to follow) within the hierarchy (see *A Zooming Graphical History* section). Thus, Hightower teaches "always showing a condition path on screen" as claimed.

With regard to claim 9:

Hightower discloses a graphical display method of large numbers of nodes within limited display. Hightower further discloses providing a strategy view (see the graphical history-map Figs 6 and 7).

Hightower further discloses using available display space to provide extra context for a focus node (Fig. 1); eliminating redundant information; and rendering information as compactly as possible (see Fig. 7, A Zooming graphical History section). As illustrated in Fig. 1, other context for a focus node is shown.

Art Unit: 2173

Hightower further discloses selecting, viewing or rendering a desired node, wherein all nodes are viewable in the limited display area (see Future direction, Figs. 6 and 7, page 2, A Zooming Graphical History section).

Hightower further teaches always permits a user to view the graphical history in its entirety or zoom in to focus on a particular part of the hierarchy (Figs. 1 or 6). Hightower also teaches and illustrates "*condition path*", i.e., the path or link of segments or nodes from the starting or top node of the hierarchy to the focus node (see Figs. 1, 6, 7). Specially as illustrated in Fig. 7, a node in the hierarchy displays the title (i.e., one condition that helps user to remember in order to reach any segment in the hierarchy), and a small picture associated with the page (i.e., another condition that enables user to visualize where the segment is located and how to reach it (i.e., which link or path to follow) within the hierarchy (see *A Zooming Graphical History* section). Thus, Hightower teaches "always showing a condition path on screen" as claimed.

With regard to claim 10:

Hightower further discloses that the widths of nodes and levels are only wide enough to fit a widest label (Fig. 7). As shown in Fig. 7, the title/label fits within the node (see Fig. 7).

With regard to claim 11:

Hightower discloses a graphical display method of large numbers of nodes within limited display. Hightower further discloses providing a strategy view (see the graphical history-map Figs 6 and 7).

Art Unit: 2173

As illustrated in Figs. 6 and 7, Hightower further discloses maintaining a consistent top of the strategy-children orientation (see Figs. 6 and 7).

Furthermore, as illustrated in the Figs. a top of the strategy is always at a center, left most portion of said display (Figs. 6 and 7).

Hightower further teaches always permits a user to view the graphical history in its entirety or zoom in to focus on a particular part of the hierarchy (Figs. 1 or 6). Hightower also teaches and illustrates "*condition path*", i.e., the path or link of segments or nodes from the starting or top node of the hierarchy to the focus node (see Figs. 1, 6, 7). Specially as illustrated in Fig. 7, a node in the hierarchy displays the title (i.e., one condition that helps user to remember in order to reach any segment in the hierarchy), and a small picture associated with the page (i.e., another condition that enables user to visualize where the segment is located and how to reach it (i.e., which link or path to follow) within the hierarchy (see *A Zooming Graphical History* section). Thus, Hightower teaches "always showing a condition path on screen" as claimed.

With regard to claim 12:

Hightower discloses a graphical display of large numbers of nodes within limited display. Hightower discloses providing a strategy view (see the graphical history-map Figs 6 and 7).

Hightower further discloses fitting said display into a rectangular view; wherein said strategy layout is dynamic and adaptable to a current portion of said strategy being viewed (Abstract, Future direction, Navigating With PadPrints).

Hightower further teaches always permits a user to view the graphical history in its entirety or zoom in to focus on a particular part of the hierarchy (Figs. 1 or 6). Hightower also teaches and illustrates "*condition path*", i.e., the path or link of segments or nodes from the starting or top node of the hierarchy to the focus node (see Figs. 1, 6, 7). Specially as illustrated in Fig. 7, a node in the hierarchy displays the title (i.e., one condition that helps user to remember in order to reach any segment in the hierarchy), and a small picture associated with the page (i.e., another condition that enables user to visualize where the segment is located and how to reach it (i.e., which link or path to follow) within the hierarchy (see *A Zooming Graphical History* section). Thus, Hightower teaches "always showing a condition path on screen" as claimed.

With regard to claim 13:

Hightower discloses a graphical display of large numbers of nodes within limited display. Hightower discloses providing a strategy view (see the graphical history-map Figs. 6 and 7).

Hightower further discloses rendering a large numbers of nodes, wherein every node is within the view of the display (see Future direction, Navigating With PadPrints).

Hightower further teaches always permits a user to view the graphical history in its entirety or zoom in to focus on a particular part of the hierarchy (Figs. 1 or 6). Hightower also teaches and illustrates "*condition path*", i.e., the path or link of segments or nodes from the starting or top node of the hierarchy to the focus node (see Figs. 1, 6, 7). Specially as illustrated in Fig. 7, a node in the

Art Unit: 2173

hierarchy displays the title (i.e., one condition that helps user to remember in order to reach any segment in the hierarchy), and a small picture associated with the page (i.e., another condition that enables user to visualize where the segment is located and how to reach it (i.e., which link or path to follow) within the hierarchy (see *A Zooming Graphical History* section). Thus, Hightower teaches "always showing a condition path on screen" as claimed.

With regard to claim 14:

Hightower discloses a graphical display of large numbers of nodes within limited display. Hightower discloses providing a strategy view (see the graphical history-map Figs. 6 and 7).

Hightower also discloses selecting a portion of said strategy (see Fig. 6) to display by choosing a branch of said strategy view to display and optionally how many levels of said branch to display (see Future direction, Figs. 6 and 7, page 2, *A Zooming Graphical History* section).

Hightower further teaches always permits a user to view the graphical history in its entirety or zoom in to focus on a particular part of the hierarchy (Figs. 1 or 6). Hightower also teaches and illustrates "*condition path*", i.e., the path or link of segments or nodes from the starting or top node of the hierarchy to the focus node (see Figs. 1, 6, 7). Specially as illustrated in Fig. 7, a node in the hierarchy displays the title (i.e., one condition that helps user to remember in order to reach any segment in the hierarchy), and a small picture associated with the page (i.e., another condition that enables user to visualize where the segment is located and how to reach it (i.e., which link or path to follow) within

Art Unit: 2173

the hierarchy (see *A Zooming Graphical History* section). Thus, Hightower teaches "always showing a condition path on screen" as claimed.

With regard to claim 15:

As illustrated in Figs. 6 and 7, Hightower further discloses scaled down nodes or segment displayed in their entirety (see Figs. 6 and 7).

3. Claim 8 is rejected under 35 U.S.C. 102(b) as being anticipated by Benjamin B. Bederson, et al, "A zooming Web Browser," (1997).

With regard to claim 8:

Benjamin B. Bederson, et al (Bederson) discloses a method for the efficient display of large nodes (strategies). Bederson further discloses interactive multi-scale display with dynamic objects that can restructure themselves. The restructuring process is animated and providing a navigational cues so that users can understand how the tree is being reorganized (see Bederson, *A Zooming Web Browser*, section 2).

***Response to Arguments***

4. Applicant's arguments with respect to claims 1 through 15 have been considered but are moot in view of the new ground(s) of rejection.

**Conclusion**

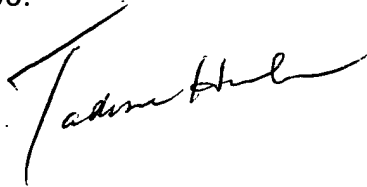
5. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Tadesse Hailu, whose telephone number is (571) 272-4051. The Examiner can normally be reached on M-F from 10:00 - 630 ET. If attempts to reach the Examiner by telephone are unsuccessful, the

Art Unit: 2173

Examiner's supervisor, John Cabeca, can be reached at (571) 272-4048 Art Unit 2173.

6. An inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Tadesse Hailu  
Patent Examiner  
4/20/05

A handwritten signature in black ink, appearing to read "Tadesse Hailu", written in a cursive style.